

NUCLEAR DIVISION NEWS

A Newspaper for the Employees of the Nuclear Division, Union Carbide Corporation

Volume 14/Number 22

November 3, 1983



John B. Storer named UCC Corporate Fellow

John B. Storer, M.D., senior research staff member in the ORNL Biology Division, has been designated a Corporate Research Fellow of Union Carbide Corporation.

In announcing the honor, Roger F. Hibbs, President of the Nuclear Division, explained that designation as a Corporate Fellow is made by Union Carbide on a limited basis to those who have chosen research as a career and whose contributions have been both significant and continually high over a period of years.

Former division director

Dr. Storer, who served as director of the Biology Division from 1975 until 1980, is recognized both nationally and internationally for his work on late effects of radiation, radiation carcinogenesis, aging, and genetic determinants of life span and radiation sensitivity. He has demonstrated that the radiation protection provided by certain chemicals is the result of protection against cell killing. Dr. Storer was directly involved in determining the radiobiological aspects of a drug that is now under clinical trial for protection of normal tissues during radiation therapy.

He also is responsible for contributions to radiobiological research on the effects of radi-

ation delivered at low dose rates, and his studies are used to predict the risk of cancer for various doses of radiation. His most recent work, involving an examination of the most likely model for the dose-response relationships for neutron radiation, will impact the decisions of national and international groups that recommend and review radiation protection standards.

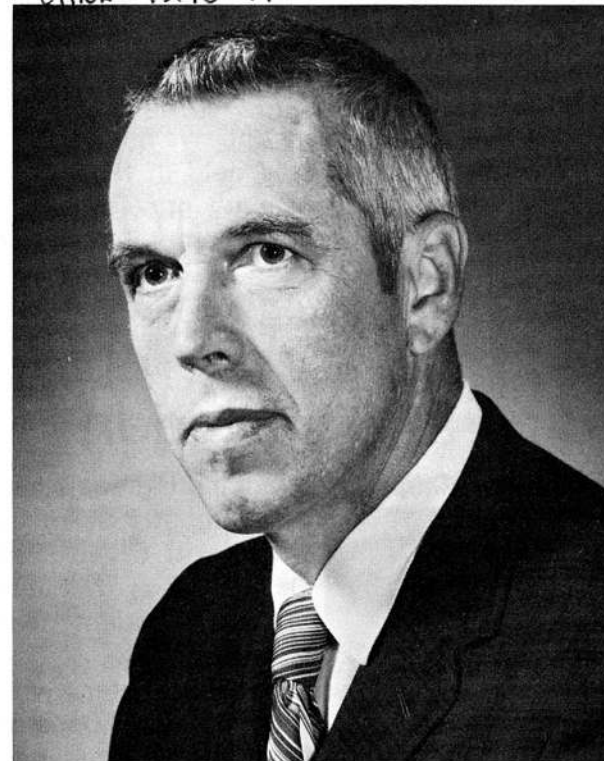
Dr. Storer received a bachelor's degree in biology and his MD degree from the University of Chicago. He joined the Nuclear Division staff in 1969 after conducting research at the University of Chicago, Los Alamos Scientific Laboratory, and The Jackson Laboratory and serving as deputy director of the U.S. Atomic Energy Commission's Division of Biology and Medicine.

Lawrence Award winner

He received the E. O. Lawrence Award in 1968, and in 1983 was presented the Distinguished Scientific Service Award by the University of Chicago's Medical Alumni Association. He is a fellow of the American Association for the Advancement of Science and a member of the National Council on Radiation Protection and Measurements, which he also has served as director.

From 1975 until 1979, Dr. Storer was a member of the Advisory Committee of the Radiation Effects Research Foundation, formerly the Atomic Bomb Casualty Commis-

ORNL 1295-71



John B. Storer

sion. He was cochairman and organizer of the 1971 Conference on the Effects of Low Level Irradiation, which resulted in the establishment of "Committee 40" of the National Council on Radiation Protection to examine dose, dose rate and radiation quality effects.

He and his wife, Jean, live in Rockwood. They have four grown children.

Question Box

Why was K-1001 bulletin board removed?

QUESTION: Why was the bulletin board in the K-1001 canteen taken down? After the canteen was remodeled, a new one was put up but then taken down. Why did this happen?

ANSWER: ORGDP's K-1001 canteen was remodeled about two years ago. Prior to the

remodeling, employees had, for some time, been attaching a variety of personal notices and business advertisements on a room partition in the canteen. This partition was removed in the course of the remodeling.

Shortly after the remodeling was completed, a small, unauthorized cork bulletin board was hung on one of the walls. This board was removed because it was unauthorized and because the space within the canteen is limited and is completely used by the normal canteen equipment. It is felt that there is neither adequate space or need for a bulletin board in this location.

Prospectus now available for 401(k) Opportunity Plan

Savings Plan participants may wish to obtain copies of the latest Prospectus for the 401(k) Opportunity Plan, dated October 20, 1983. Copies are available at facility Benefit Plans Offices.



No #

In this issue . . .

This photograph by ORNL's Frank Hensley, entitled "Log Cabin," was named best black-and-white print in the Annual Carbide Camera Club Photographic Salon now on display at the Oak Ridge Community Art Center. See story on page 4.

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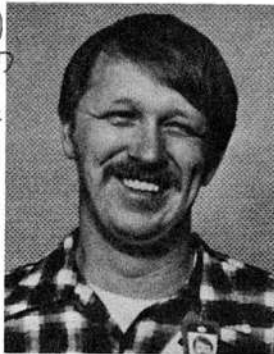
Paducah United Way drive makes progress

Several important goals have been reached during this year's United Way campaign drive at the Paducah Plant, according to Jim Thomas, 1983 campaign chairman. "The dollar amount per pledge has increased and now exceeds the national average," he said. "In addition, we topped last year's total in spite of a slight decline in plant population, and the number of contributors increased this year."

Thomas said he hopes the campaign goal of \$83,000 will be reached by early November.

Joe Morris West dies October 11

Joe Morris West, a janitor in the Fabrication and Plant Services Division at ORGDP, died October 11. He had been employed in the Nuclear Division since 1977.

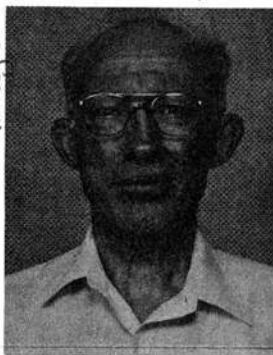


Mr. West Mr. West, who lived on Dyllis Road in Oliver Springs, is survived by his wife, Janette; a daughter, April; his mother, Wanda Carter, of the Dyllis Community; his father, Hobert West; two half-brothers and two half-sisters.

Funeral services were held in the Sharp Funeral Home Chapel, with graveside services at New Fairview Cemetery, Oliver Springs.

John A. Carpenter dies after accident

John A. Carpenter, a computing analyst in the Computer Sciences Division at ORNL, died October 22 as a result of an auto accident near Asheville, N.C.



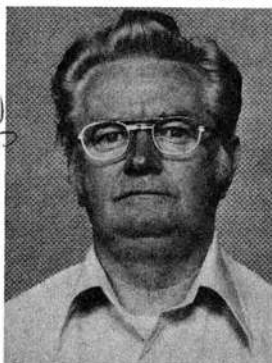
Mr. Carpenter Mr. Carpenter, who lived at 109 Decatur Road in Oak Ridge, had been a Union Carbide employee since 1962. He was a member of the Smoky Mountain Hiking Club and attended the Oak Ridge Unitarian Church.

He was the husband of the late Margaret Carpenter, who died earlier this year, and is survived by two sisters, Bobbie Doyle, Garfield, N.J.; and Betty Thrash, Sarasota, Fla.

A memorial service was held at Oak Ridge Unitarian Church.

Y-12's Claude Boyd dies in Knoxville

Claude A. Boyd, an engineer in the Engineering organization at the Y-12 Plant, died October 22 at Park West Hospital in Knoxville.

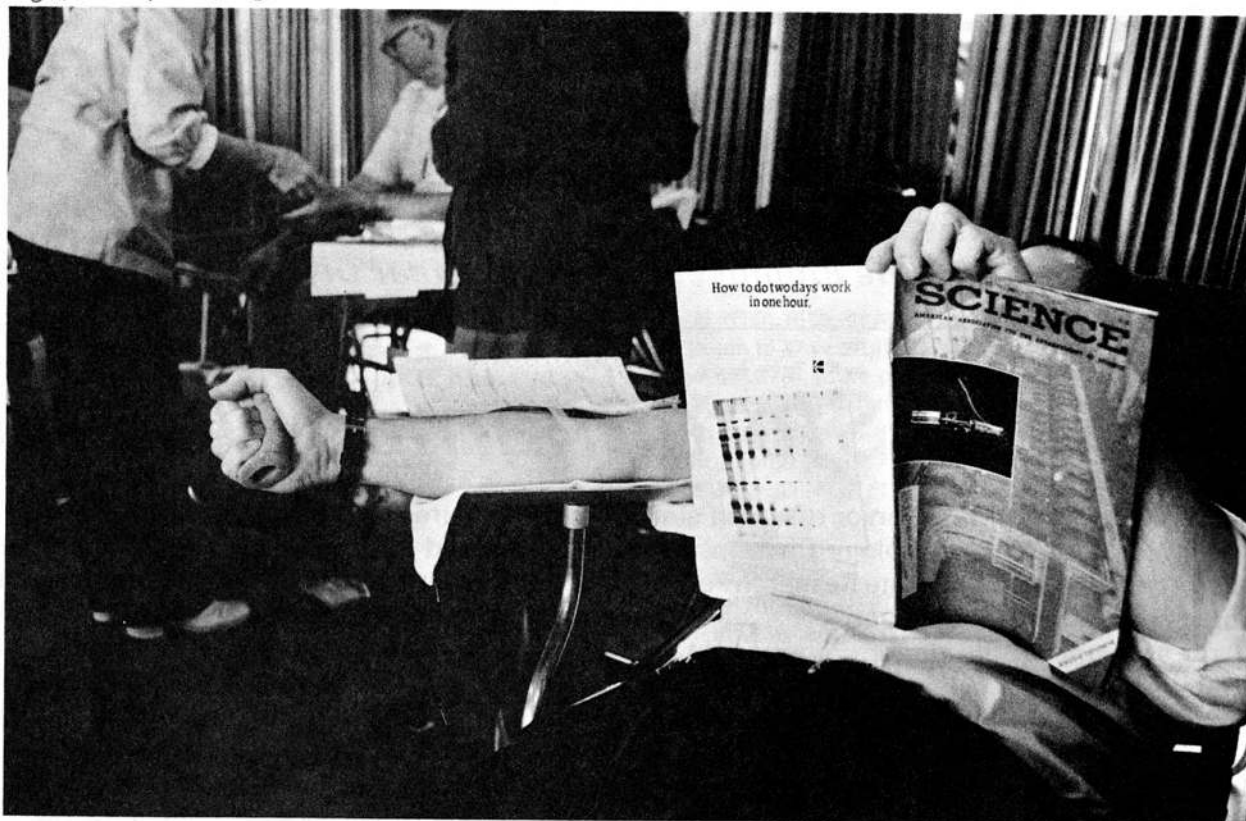


Mr. Boyd Mr. Boyd, who lived at 216 Meadow View Drive, Kingston, was a 31-year Carbide employee. He was a veteran of the U.S. Navy and a member of First Baptist Church in Kingston.

Survivors include his wife, Christine; son, Chris, of Knoxville; two daughters, Judy Parks of Kingston and Dianne Branson of Georgetown, S.C.; parents, Mr. and Mrs. John Boyd of Thomaston, Ga.; three brothers, James, Robert and John; two sisters, Joan Boyd and Joyce Partin; and five grandchildren.

Graveside services were conducted at Roane Memorial Gardens, Rockwood.

ORNL 60 11-83



ORNL BLOOD DRIVE — More than 950 pints of blood were collected at the Medic blood drive at ORNL. Some 1,065 employees volunteered as donors, including the employee shown, who made productive use of his time.

Industrial engineers honor Wilkinson

Vance K. Wilkinson, Operations Analysis and Planning Division at ORGDP, has been named "Industrial Engineer of the Year" by the East Tennessee Chapter of the Institute of Industrial Engineers.



Wilkinson's selection was based on his contributions to the local chapter and advancement of the industrial engineering field, as well as his personal and professional development.

Originally from West Texas, Wilkinson received BS and MS degrees in aeronautical engineering and systems engineering from the Air Force Institute of Technology and a master's degree in industrial engineering from the University of Tennessee. He is registered as a professional engineer in Ohio, Tennessee and Texas.

Wilkinson joined the Nuclear Division in 1977. He currently heads the economic analysis group, Enrichment Process Analysis Department of the Operations Analysis and Planning Division.

Wilkinson, his wife, Annette, and their two children live in Oak Ridge.

Energy-saving tips . . .

The pamphlet, "101 Ways YOU can conserve energy at ORNL," lists the following tips for conserving energy.

- Avoid smoking to reduce need for room ventilation.
- Turn off projector after using visual aids.
- Look for ways to insulate ovens or furnaces.
- Wash hands in lavatory with warm or cool water, not completely hot.
- Turn off lights in offices or labs when leaving for more than about 10 minutes.

UNION
CARBIDE

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Donna Shelton of the Paducah Plant's Maintenance Division.

Nuclear Division News

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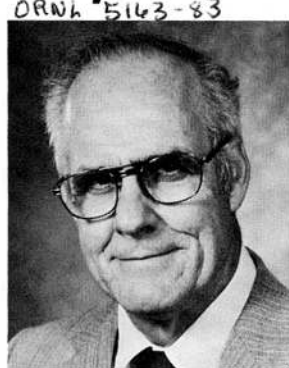
PADUCAH
Laura Trevor, Bell 208



Award recipients serve community in many ways



Jernigan



Jolley



Joyner



Lay



P. Leitnaker



S. Leitnaker

(Editor's note: Ten more Nuclear Division recipients of Union Carbide Community Service Awards are profiled in this issue. The winners were honored for their participation in "voluntary, uncompensated activities that benefit their communities." Information on the remaining seven recipients will appear in the next issue of Nuclear Division News.)

Richard P. Jernigan, ORNL — Jernigan has been involved in community service activities for the past 31 years. He currently works with the Anderson County Regional Planning Commission, the Anderson County Association for Retarded Citizens and the Daniel Arthur Rehabilitation Center, where he has served two terms as chairman of the board. A Clinton resident, he also has been involved in the Boy Scouts of America, the PTA, the Norris Planning Commission, the Anderson County Council for Retarded Children, the Tennessee Association for Retarded Children and Adults, the Anderson County Quarterly Court and the board of directors of the Emory Valley School Board. He is an administrative supervisor in the ORNL Fusion Energy Division.

Robert L. Jolley, ORNL — Jolley has been involved in various community service activities during the past 25 years. He has served on the board of the Daniel Arthur Rehabilitation Center and as secretary of the Oak Ridge Conservation Club. During his involvement with the Boy Scouts of America, Jolley has served as packmaster, assistant scoutmaster, Explorer post advisor and committee chairman. He also has served as Anderson County commissioner for the past 24 years, having chaired the budget, legislature and special tax studies committees. Jolley resides in Oak Ridge and is a member of the Oak Ridge "Committee of 50." He is a senior development staff member in the Chemical Technology Division at ORNL.

William D. Joyner, ORGDP — Joyner has been involved in several community service activities during the past eight years, including the Oak Ridge High School PTA and the Oak Ridge Kiwanis Club. He served as president of both organizations and received the "Kiwanis Distinguished President Award." Joyner, who lives in Oak Ridge, currently serves on the board of the Oak Ridge Convention and Visitors Bureau. He was chairman of a YWCA Building Fund committee and has been a member of the Prisoners' Aid Society. He has served in leadership roles for the NAACP, Oak Ridge Parenting Council, the Oak Ridge Chapter of the Red Cross and the Oak Ridge "Committee of 50." Joyner is a purchasing agent in Nuclear Division Purchasing.

C. R. Lay Jr., ORGDP — During the past 18 years, Lay has been involved in various service activities to benefit handicapped persons. He is founder of Michael Dunn Center, having prepared the proposal, budgets and guidelines, obtained a state charter and hired staff members. He also served as member and chairman of the facility's

board of directors. Lay is a member of the Tennessee Developmental Disabilities Planning Council and past president of both the Tennessee and Roane County Associations for Retarded Citizens. He is past president and a ten-year board member of the Roane County United Way. Lay, who lives in Kingston, is a supervisor in the Separation Systems Division at ORGDP.

Peter A. Leitnaker, Y-12 — Leitnaker has been involved in activities of the Kingston Jaycees and the Kingston City Parks and Recreation Commission during his five years of service to the community. He has chaired or participated in fund-raising activities for St. Jude's Hospital, the March of Dimes, Camp Discovery and the Juvenile Diabetes Foundation. Leitnaker helped organize a community CPR training program, has been active in youth recreation programs and assisted with a drive to purchase bullet-proof vests for the Kingston Police Department. A Kingston resident, Leitnaker also was named an Outstanding Young Man of America by the Jaycees. He is a machinist in the Y-12 Maintenance Division.

Sharon L. Leitnaker, ORGDP — Leitnaker has been involved in community service activities with the Kingston Jaycettes during the past five years, serving as president, vice president, and district, regional and state director. She has chaired fund-raising activities to support research for juvenile diabetes, cancer and muscular dystrophy, and has participated in fund-raising efforts for St. Jude's Hospital and Camp Discovery. Leitnaker, who lives in Kingston, has been named Outstanding District Jaycettes Director for Tennessee, Outstanding Regional Director, Outstanding Local President and an Outstanding Young Woman of America. She is a secretary in the Employee Relations Division at ORGDP.

J. D. Lovette, Y-12 — During the past 10 years, Lovette has been instrumental in the development of the Tennessee Special Olympics. He served as games director for the Area V games from 1974 until 1978, when he assumed his current position as Area V coordinator. Lovette has worked to promote and increase participation in the Area V Spring Games, which have become the largest Special Olympics meet in Tennessee and one of the largest in the nation. Some 1,500 young people from 10 counties participated in the program this year. Due in large part to Lovette's efforts, the Area V Special Olympics have been expanded to a year-round program that includes basketball, volleyball, bowling, swimming, gymnastics, and track

and field. Lovette resides in Oak Ridge. He is a power engineer in the Y-12 Maintenance Division.

David N. Mosby, ORGDP — Mosby has been involved in community service activities in the Oak Ridge area for the past four years. He has chaired a political action committee for the NAACP, assisted in a voter registration drive, helped organize a trip to Washington, D.C., for underprivileged youth and worked with the Southeastern Consortium of Minority Engineering Students. Mosby has served as scoutmaster for Boy Scout Troup 330, as a Boys Club coach, as a Big Brother for disadvantaged youth and as a Special Olympics volunteer. A resident of Oak Ridge, he also has served as a member of the Scarboro Community Center Ad Hoc/Citizens Committee and the Home Aide Service board. He is an engineer in the Engineering organization at ORGDP.

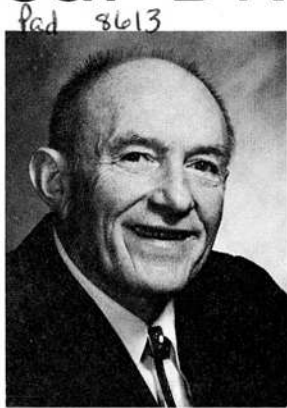
Mary Ellen Pfost, PGDP — Pfost has been involved in a variety of community service activities during the past 43 years. She has served as chapter and state president of Professional Secretaries International (PSI) and as international board chairman of the PSI Retirement Centers Trust. Pfost helped establish Future Secretaries Associations at two Paducah-area high schools and has served as president of the McCracken County PTA Council and the Hendron Elementary PTA. She also organized Girl Scout, Boy Scout and Cub Scout troops. As a Red Cross volunteer, Pfost served as secretary for a summer swimming lessons program. She also has been active in the American Cancer Society's "Sports for Cancer" fund-raising program. A senior secretary in PGDP Technical Services, Pfost lives in Paducah.

Karl E. Rapp III, ORGDP — During the past 19 years, Rapp has been involved in various community activities, including the Oak Ridge Chamber of Commerce and the Jaycees. He received the Jaycee "Distinguished Service Award" and was named Outstanding Young Man of the Year. Rapp is a former president of the Kiwanis Club of the Atomic City and also served as lieutenant governor of Division 4. He served on the Melton Hill Regional Industrial Development Association Board and the Oak Ridge Regional Planning Commission. Rapp, who lives in Oak Ridge, is a charter member of the Solway Community Club and former director and chairman of YMCA Camp Montvale. He also is active in the Boy Scouts of America. The recipient of a YMCA Service Award, Rapp is an accountant in Nuclear Division General Accounting.

Nuclear Division Service Anniversaries



Mona B. Rollins
Product Certification
Y-12
40 years



Robert F. Smith
Technical Services
Paducah
40 years



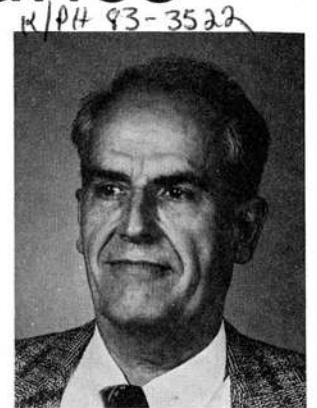
Charles M. West
Health, Safety and
Environmental Affairs
Y-12
40 years



John S. Drury
Information
ORNL
40 years



George W. Parker
Chemical Technology
ORNL
40 years



Thomas M. Andress
Engineering
Y-12
40 years

Y-12

35 YEARS

George E. Isham, Assembly.

30 YEARS

Marvin Q. Kosier, James R. Murph, Robert A. Williams, Arthur C. Bailey, Gene A. Ware, Charles L. Myers, James E. Hale Jr. and Edwin J. Holt, Fabrication; Howard L. Vandergriff Sr. and John R. Bosson, Maintenance; Herbert Reynolds, Finance, Materials and Services; John H. Hansard and Everett S. Smith, Security, Plant Protection and Utilities; Lawrence R. Loveless, Industrial Engineering; Norman D. Kennedy and Raymond E. Plemons, Product Certification; Jack R. Taylor, Atomic Vapor Laser Isotope Separation; David M. Cleveland Jr., Metal Preparation; and Paul E. Stein, Engineering.

25 YEARS

Alfred C. Gose, Frank O. Bowman, Ollie A. Ellis and William R. Tipton.

20 YEARS

William L. Watkins Jr., Fred A. Fox and Hershell C. Johnson.

ORGDP

35 YEARS

Anna L. Horton, Finance, Materials and Services; Joe T. Stanley, Maintenance.

30 YEARS

John W. Amburgey Jr., Separation Systems; Clifton L. Jeffers, Computer Sciences; Robert M. Kemper Jr., Engineering; Harold H. Sigmon, Purchasing; Charles M. Wilson, Process Support.

25 YEARS

Mary T. Klipple.

ORNL

35 YEARS

Jackson B. Davidson, Instrumentation and Controls.

30 YEARS

James B. Gheen, Plant and Equipment; Jack J. Campbell, Metals and Ceramics; Albert J. Farmer, Chemical Technology; Lois H. Woods and Kathren F. Stelzner, Biology; and Wilber R. Finnell, Engineering Technology.

25 YEARS

William C. Carothers, Gilbert V. McKinney, A. J. Gentry Jr., Curtis Gibson, Althea S. Tate, Freddie L. Timmons and Londo F. Meece.

20 YEARS

Jack L. Collins, Barbara M. Marcum, Richard A. Hess, Jacqueline C. Holloway and Norma B. Bryson.

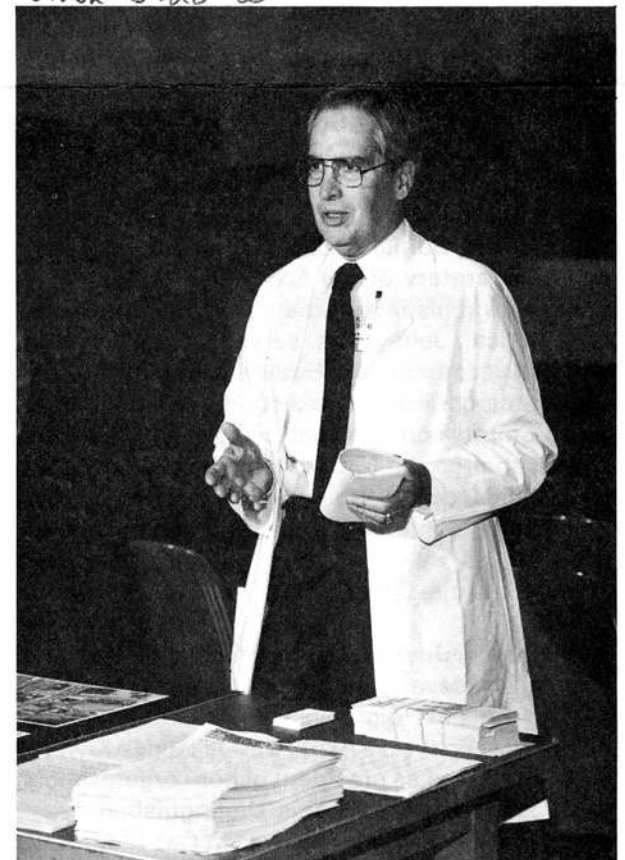


Paul E. Wilkinson
Quality Division
Y-12
40 years



Jack D. McLendon
Health, Safety and
Environmental Affairs
Y-12
40 years

ORNL 5925-83



HANDICAPPED AWARENESS WEEK — Dr. John Avera of ORNL's Health Division addressed the topic "Understanding Vision Problems" in a recent seminar during Handicapped Awareness Week. He described the types, causes and incidence of visual impairment and the preventive measures that might be taken. Martha Bryan, director of the Office of Handicapped Student Services, University of Tennessee, discussed community services available to the blind, and a film, "What To Do When You Meet a Blind Person," was shown.

Carbide Camera Club Photographic Salon now under way at Oak Ridge Art Center



CARBIDE CAMERA CLUB WINNER — John Rowe's "Gull at Sunrise" was judged best of show in the color print competition.

John Rowe and Ron McConathy are among the top winners in the Annual Carbide Camera Club Salon, capturing awards for photographic excellence in the print and slide competitions, respectively.

Salon exhibits are on display through November 26 at the Oak Ridge Community Art

Center, with viewing hours from 1 to 4 p.m. Saturday and Sunday; 1 to 9 p.m. Tuesday; and 9 a.m. to 5 p.m. Wednesday through Friday.

Rowe's "Gull at Sunrise" was judged best of show in the color print competition. Other divisional award winners included Art Snell, Janet Rowe, Darrell Northcutt, Richard Sladky, Juan Carbajo and Virginia Coleman.

In the black-and-white print division, Frank Hensley won best-of-show honors with "Log Cabin." Other winners were Terry Domm and John Blankenship.

Carbajo's picture, "Spectacular View," was named best of show in the slide competition. Awards in this division also went to Hensley, Domm, Blankenship, Ralph Guymon, Michelle Johnson, McConathy, Coleman, Bob Stone and Janet Rowe.

Judges for the competition included Gordon Hodge, David Fahey and John Edwards (color slides); and Terry Marlar, Jim Ball and J. W. Nave (color and black-and-white prints).

Patients should ask questions about medical care

(Editor's note: The following article by Dr. T. A. Lincoln, former ORNL medical director, was provided by Union Carbide Corporate Communications in an effort to encourage employees to help control the escalating costs of health care.)

By T. A. Lincoln, M.D.
Corporate Medical Director

As a patient, are you entitled to know the details of your care or only what medical professionals think you need to know?

The answer is not simple. Doctors, nurses and other health professionals are busy people. Explaining such things as tests, diagnoses and treatments in a manner everybody would understand is not easy. It takes time. Time costs money. Also, like many professionals, medical people don't like to admit to their patients (customers) that they might not know all the answers. Patients like to believe that their physicians know what they are doing every step of the way.

Searching, stumbling and trial-and error are generally contrary to this "mystique" of medicine. Still, some of this groping is often necessary in difficult cases. Sometimes a chance remark or a slightly abnormal test will "ring a bell" in a clinician's mind and change the course of an investigation.

Logical process

Ideally, the search for a diagnosis or proper treatment is a logical process. Physicians take a careful history, perform a physical examination and then develop in their own minds a list of conditions that might explain their patients' symptoms. Often doctors can identify the problem from the history alone. Many of the subsequent tests are performed to confirm the physician's initial impression or to rule out other possible causes.

Sometimes, however, reaching the final diagnosis and course of treatment can be a long and tedious process. For some physicians, it is easier to remain mysterious than to share their confusion.

When a patient begins to question the number and cost of the tests, a physician's resistance may suddenly increase. "What are you trying to do," the physician asks, "tie my hands?"

More questions needed

With the rapidly increasing costs of medical care, more questions about the expense of testing procedures are necessary.

Because so many medical "miracles" have been achieved in the past 25 years, many people feel that if they get to the right expert and enough tests are done, a correct diagnosis will always be made and an effective treatment prescribed. A whole generation of physicians has been trained to order any test that might contribute even a tiny detail to understanding the patient's disease process.

Sometimes more information is collected than can be justified. For example, a recent study in Boston indicated that specialists in internal medicine who belong to large group practices ordered twice as many tests as those in small groups or in solo practice. Many explanations are possible, but easier access

to diagnostic services and more technical and impersonal styles of practice may be the main reasons.

As medical costs rise, it is gradually becoming apparent to medical professionals, hospitals, patients and insurance companies that a harder look must be taken at cost effectiveness.

How can diagnosis and therapy be made efficient and less costly without jeopardizing the high quality of medical care expected by people in this country?

One possible way is for people to ask more questions. Frequent questions like, "Why now?", "What will this accomplish?", "What did my tests show?", "Do I have to stay in the hospital for these tests?" and "Tell me what I'll get in the hospital, so I'll know if I get what I

pay for" will help everyone consider whether every test or procedure is really necessary. Getting medical professionals to justify what they are doing will cause them to better consider the cost element in their decision-making process. In the long run, that should have a beneficial effect.

Sooner or later everyone gets sick. If the health care process has been made lean and efficient, it will be ready to respond when it is needed. Waste and high costs may someday jeopardize access to necessary care. Hospitals and the medical profession are being bombarded with cost complaints, and they are beginning to work on the problem.

You can help by asking more questions about cost considerations and being sure that you get what you pay for.

Safety program proves valuable to Y-12 employee, family members



BENEFITED FROM SAFETY PROGRAM — David Simpson (left) and his family benefited rather unexpectedly from information he received at a Y-12 safety meeting and shared with his wife and children. His wife Judy was saved from choking when their son Mike utilized Heimlich Maneuver techniques demonstrated in a safety program. Daughter Amanda also is shown.

David A. Simpson, a machinist in the Y-12 Fabrication Division, has attended many employee safety meetings during his 15 years with the Nuclear Division and has often shared the information he received with the members of his family. But Simpson never dreamed that his "habit" of sharing might one day help save his wife's life.

Simpson recently attended a safety program in which the techniques of the Heimlich Maneuver were explained. This procedure is used to dislodge an object from the throat of a victim who is choking. After learning to use the Heimlich Maneuver, Simpson shared the information with his wife Judy, 13-year-old son Mike and 7-year-old daughter Amanda.

Not long afterward, while Simpson was away from home on an errand, Judy took some aspirin for a headache. One of the tablets lodged in her throat, cutting off her air

supply. She unsuccessfully attempted to dislodge the tablet herself, and, in desperation, ran into the yard looking for help.

Her son, realizing that she was having difficulty breathing, immediately grabbed her and administered the Heimlich Maneuver as his father had taught him. After the third attempt, just as Judy neared unconsciousness, Mike managed to dislodge the pill.

Judy did suffer a rib injury during the application of pressure, but she said she considered the damage "minor, considering what could have happened."

"It never really occurred to me that a technique learned at a safety meeting would ever be used to save the life of a member of my family," Simpson said. "There's a lot of good information provided in these meetings, and much of it is definitely worth sharing with others."



Y-12'ERS AT SILVER DOLLAR CITY — More than 4400 Y-12 employees, retirees and friends enjoyed themselves at the recent "Y-12 Day at Silver Dollar City." The event at the Pigeon Forge park was the first-ever plant-wide recreation program. Activities included a barbecue meal, a town meeting at which several participants received door prizes, and a contest demonstrating the "eating skills" of several managers, including Jeff Bostock, Mike Cuddy and Gordon Fee (upper left photo).

Next issue . . .

The deadline for the next issue of *Nuclear Division News* is Tuesday, November 8. The issue will be dated November 17.

UCC income increases during third quarter

Union Carbide Corporation has reported third-quarter 1983 net income of \$80.6 million, 14 percent higher than the \$70.5 million of a year ago. Pre-tax income surged 340 percent compared with the 1982 third quarter.

Net income for the first nine months totaled \$190.2 million, down 32 percent from the \$279.5 million of the same period in 1982. Earnings per share for the 1983 third quarter were \$1.15 compared with \$1.02 a year ago. For the nine-month period, earnings per share were \$2.71 versus \$4.05 in 1982.

Sales for the quarter totaled \$2.28 billion, 5 percent higher than the \$2.17 billion posted in the 1982 third quarter. Sales for the first nine months were \$6.65 billion, 2 percent below the \$6.78 billion of a year ago.

Savings Plan-Personal Investment Account

	Fixed Income Fund	UCC Stock	Equity Investment Fund
December 76	13.0553	59.2723	8.8166
December 77	14.2017	40.9096	8.0427
May 83	23.5047	66.4750	17.0919
June 83	23.7030	69.6135	17.6662
July 83	23.9054	67.1967	17.2687
August 83	24.1007	66.6184	17.6666
September 83	24.3239	68.5022	17.6235

Note: Fixed Income Fund unit values reflect interest additions to achieve the guaranteed effective annual interest rate of 10.25% for 1983. (In the past several issues of *Nuclear Division News*, the guaranteed effective annual interest rate for 1983 has been incorrectly listed as 10% — The editor.) Union Carbide stock values are the average cost of stock purchased during the month. Equity Investment Fund unit values represent the month-end market value of securities held by the Fund. The price of each unit is determined by dividing the total value of the securities by the number of units in the Fund.

Patent granted . . .

David A. Bird, ORGDP, for "Low-Noise Pulse Conditioner."

Nuclear Division bowling news

Carbide Lenior City...

The Pin Busters lead the Carbide Lenoir City League, trailed by Papaw's Bunch and the Odd Balls. Jim Cook led the men with a 565 series, and Jack Skinner rolled a 208 game. Women's highs were posted by Fay Watkins, 533 series; and Ruth Curtis, 193 game.

K-25 Tuesday...

The City Slickers continue to lead the K-25 Tuesday League, followed by the Road Runners and Double X. R. K. Johnson holds league highs in scratch series, 628; scratch game, 244; and handicap game, 252. L. E. Hart rolled a 660 handicap series.

Carbide Wednesday Men's...

In the Carbide Wednesday Men's League, the ???'s continue to hold the lead, followed by the Operators and Planners. Recent highs were rolled by Chuck McCluskey, 684 handicap series; Lou Finley, 634 scratch series; and Jim Fletcher, 273/257 handicap and scratch game.

Y-12 Classic League...

Recent individual highs in the Y-12 Classic League were posted by Dave Medovich, 654 handicap series; and Don Hunnicutt, 247 handicap game. The Has Beens lead the league in team scoring, followed by Pendulum and the Ridgers.

ORGDP Women's...

The Mousechasers took over the lead in the ORGDP Women's League, trailed by the Spotters and Woodbees. Carolyn Cornett posted a 209/257 scratch and handicap game, while Elizabeth Phipps rolled a 514/640 scratch and handicap series and was named "bowler of the week."

Carbide Family Mixed...

Oops, Determination and the Gutter Rodents are tied for the lead in the Carbide Family Mixed League, with 10-6 records. Recent individual highs were rolled by David Foster, 297,732 game and series; and Patty Reece, 259,678 game and series.

KYX Monday Men's...

The Limits lead the KYX Monday Men's League, followed by the Dynamics and Challengers. Roger Barnett, 288 handicap game; and Dave Cardwell, 721 handicap series, rolled recent individual highs.

Union Carbide Monday Mixed...

The Pacesetters retained the lead in the Union Carbide Monday Mixed League, just ahead of Charlies Angels and 3 Tall - 1 Short. Individual highs were posted by Paul Armstrong, 242 scratch game; Rudolph Long, 586 scratch series; and Pat Thompson, 246,583 scratch game and series.

Hunting safety tips

Family Safety magazine offers the following tips for hunters:

- 1) Never load or carry a loaded gun until you are ready to shoot.
- 2) Watch the muzzle and point it in a safe direction.
- 3) Stay aware of the positions of others and never shoot in their direction.
- 4) Never move into another hunter's line of fire.
- 5) Unload the gun before you cross a fence, climb a tree, jump a ditch or hand the gun to a companion.
- 6) **Make absolutely sure** of your target and what's beyond it.

Retirees share plans for Caribbean cruise in 1984

By Virginia Donahoe
UCRA president
576-1786

Here is an outline for the special tour many of you have requested:

- Leave Oak Ridge May 12 by bus for McGhee-Tyson Airport; take commercial flight to San Juan, Puerto Rico.
- Board the *Carla C* Italian cruise ship that evening.
- Spend seven nights aboard ship with all the food and entertainment available on a luxury liner.
- Visit Curacao, Netherlands Antilles; Caracas, Venezuela; St. Vincent, British West Indies; Guadeloupe, French West Indies; and St. Thomas, Virgin Islands.
- Take commercial flight home from San Juan; return by bus to Oak Ridge.

Prices for the trip are: \$1135 per person for inside cabin for two (without porthole); \$1225 per person for outside cabin for two (with porthole); and \$945 per person for cabin with upper and lower bunks. The deposit for this trip will be \$100 per person. All who are planning to go are urged to make reservations early. Travelers will need a passport or proof of citizenship, such as an original copy of a birth certificate.

We are making this early announcement because commercial airlines hold part of their seating for other customers and require tour groups to make very early commitments to guarantee reservations. A number of people were unable to make our Mexico trip because the airlines would not increase the original number of seats we were allotted.

Camper/Trailer Travel Club

The Camper/Trailer Travel Club will make a three-day trip to Cove Lake State Park Campground November 15-17. This short (approximately 30 miles from Oak Ridge) trip was organized to give all our campers a chance to help make future plans for the Club. Ralph and Pearl Redmon and W. C. and Lela Ward will greet arriving campers, and Walt Russell will bring a truckload of wood for campfires.

All retirees who don't have trailers are invited to spend the day of the 16th with the campers. The campers will furnish campfires and coffee; visitors should bring lunch to share with the group at 1 p.m. Our musical group will also be on hand to entertain.

Help needed

Our musical group, The Lost Chords, is looking for someone to loan, donate or sell (at a "bargain-basement" price) the group a medium-to-small piano. (The large uprights are too heavy for our volunteers to transport.) We're proud of our musicians, who made their debut at the October reunion/picnic, but they have had limited access time to the piano at the Senior Center. Having their own piano would allow The Lost Chords to have more practice time and also to perform for other groups as requested.

Justin Aylor, who led the group's early practice sessions and played lead violin, has gone to Florida for the winter. We need volun-



'THE LOST CHORDS' MAKE DEBUT — The UCRA musical group, The Lost Chords, gave their first performance at the recent reunion/picnic at Clark Center Recreation Park.

teers to play lead instruments, such as horn, drum, violin or mandolin. Most of the band members hadn't played in years but are now making progress and having a great time. If you or someone you know owns a lead instrument, please call the UCRA office.

Bowling news

High scorers during the first four weeks of October included:

Men's — High scratch and handicap game, Herm Snyder, 232 and 258; high scratch and handicap series, George Bullock, 603 and 675.

Women's — High scratch and handicap game, Dot Walker, 218 and 266; high scratch series, Willie Towns, 519; high handicap series, Kathleen Huff, 646.

Special thanks

Thanks to Dramia Smith and all the volunteers who worked during the ORNL blood drive last month.

We'd also like to thank all the workers and musicians who helped to make our reunion/picnic one of the best, with the largest attendance ever!

Huston Singletary to head department

B. Huston Singletary has been named head of the Development Engineering Department of Nuclear Division Engineering. Before this appointment, he was a section head in the remote systems design section.

Singletary was born in Selma, Ala., and grew up in Tampa, Fla. He received his BS degree



Singletary

in mechanical engineering from the University of Florida.

Singletary joined the Nuclear Division in 1976 as a principal engineer and mechanical design engineer on numerous Consolidated Fuel Reprocessing Division tasks.

He is the past chairman, director and Region XI National Delegate for the American Society of Mechanical Engineers. He also was director of the Canaveral Council of Technical Societies.

Singletary and his wife, Gwendolyn, have four sons. They live on Miramar Circle in Oak Ridge.

Trip Reservation Form

Caribbean Cruise

Make checks payable to: U.S. Travels
Mail to: UCRA, P.O. Box 3501, Oak Ridge, TN 37830

NAME: _____

ROOMMATE: _____

ADDRESS: _____

ADDRESS: _____

TELEPHONE: (Home) _____

(Work) _____

Please enclose deposit of \$100 per person.

Cabin choice:

\$1135 - inside cabin for two _____

\$1225 - outside cabin for two _____

\$945 - upper and lower bunk _____



Grief



Warren

Grief, Warren, Kelly promoted at Paducah

Bobby Grief, Joseph Warren and William Kelly have been promoted in the Operations Division at the Paducah Plant.



Kelly

Grief has been named shift superintendent assigned to "D" Shift. Since joining the Nuclear Division in 1951, Grief has worked in all areas of the Cascade. In 1972, he was promoted to cascade foreman and served as building supervisor and cascade coordinator before his promotion to shift superintendent.

Grief is a native of McCracken County. He and his wife, Mary, have two children. They live on Route 2 in Paducah.

Warren has been named cascade coordinator assigned to "D" Shift. Since joining PGDP in 1951, he has worked in various areas of the cascade and has had experience with chemical operations and the recirculating water system.

Warren was born in Dearborn, Mich. He and his wife, Peggy, live on Jefferson Street in Paducah. They have three children.

Kelly, who joined the Nuclear Division in 1952, has been named cascade coordinator with relief duties. He worked in Power and Utilities and Plant Engineering before joining Cascade Operations as a supervisor.

Kelly is a native of Rural Valley, Penn. He and his wife, Phyllis, have four children. They live on Madison Street in Paducah.

Save Energy - Share the Ride

ORGDP

CAR POOL MEMBERS WANTED from Karns Community to Portals 3 or 5, day shift. Tom Lemons, plant phone 4-8159; or Loren Lund, 6-2311.

CAR POOL MEMBERS WANTED from east end of Oak Ridge to any portal, day shift. Doug Janney, plant phone 4-9448; home phone 483-1619.

RIDE NEEDED from Rockwood area to Portal 2, day shift. Mike Garrett, plant phone 4-7903; home phone 354-2348.

CAR POOL MEMBER NEEDED from West Town Mall to Portals 1, 2 or 4, day shift. George, plant phone 6-0506; home phone 690-6856.

ORNL

VAN POOL RIDERS NEEDED (room for two) from West Knoxville (Cedar Springs Shopping Center, Cedar Bluff, Middlebrook Pike, Vanosdale Road, Cloth World, Kingston Pike) to any portal except South, 8-4:30. Leon, plant phone 4-5723; home phone 693-3211.

BUS POOL MEMBERS NEEDED from the Burlington area, Asheville Highway, heading in the direction of I-640, stopping at Broadway and Tazewell Pike. The next stop is Papermill and Weisgarber, then to Cloth World on Kingston Pike. The next stop, via Kingston Pike, is Lovell Heights Shopping Center, then on via Pellissippi Parkway to all portals, 8-4:30. P. R. Long, plant phone 4-4154; or Twana Taylor, 4-7281.

RIDE NEEDED from Oak Ridge Highway between Karns and Solway to East Portal, 8:15-4:45. Peterson, plant phone 4-4483; home phone 690-3989.

VAN POOL RIDERS NEEDED from East Knoxville — down Middlebrook Pike, Cedar Bluff and back down Middlebrook Pike to Pellissippi Parkway to East and West Portals, 8-4:30. A. J. Boatwright, plant phone 4-6041; home phone 970-4231.

CAR POOL MEMBERS NEEDED from Louisiana Avenue area, Oak Ridge, to any portal, 8-4:30. Frank Foust, plant phone 4-6056; home phone 483-0350.

CAR POOL MEMBER NEEDED for four-person pool from downtown Kingston to East and West Portals, 8-4:30. Steve Lindberg, plant phone 4-7857; home phone 376-3885.

BUS POOL RIDERS NEEDED from Maryville via Highway 95, with stops in Lenoir City. Joel Horton, plant phone 4-3121; home phone (Maryville) 983-9160.

Y-12

CAR POOL MEMBERS NEEDED from Beaver Ridge United Methodist Church parking lot, Oak Ridge Highway, to North Portal, 8-4:30. Bob Cooper, plant phone 4-3430; home phone 691-8411.

VAN POOL RIDERS NEEDED from Lake City and Clinton, 8-4:30. Joe Foust, plant phone 4-5889; home phone 426-2947.

BUS POOL RIDERS NEEDED from Knoxville, I-40 at Alcoa Highway (Expo Inn), 8-4:30. Joel Horton, plant phone 4-3121; home phone (Maryville) 983-9160.

CAR POOL MEMBERS NEEDED from Cedar Bluff/Middlebrook Pike area to Bear Creek Portal, 8-4:30. Gerald Russell, plant phone 4-3658; home phone 691-3475.

RIDE NEEDED from Sutter's Mill Apartments area, West Knoxville, to West or Central Portal, 8-4:30. Larry Belle, plant phone 4-3352.

CAR POOL MEMBER NEEDED from Blaine area to any portal, day shift. Linda, plant phone 6-4940; home phone 933-4862.

VAN POOL RIDERS NEEDED from Andersonville, Norris Clinton to any portal, 8-4:30. Charles Knowles, plant phone 4-2628; home phone (Norris) 494-9563.

RIDE NEEDED from Downtown West/West Town area to East Portal, 8-4:30. Vanessa Black, plant phone 4-0050; home phone 693-5045.

NEED TO JOIN OR FORM CAR POOL from Cedar Lane area, Knoxville, to Central or North Portal, 8-4:30. George Dykeman, plant phone 6-4927; home phone 687-6657.

THREE RIDERS NEEDED from Harriman/Kingston to any portal except East, 8-4:30. Bill McKinney, plant phone 4-1283; home phone 882-1827.

Trygve Myhre named department manager

Trygve C. Myhre has been named manager of the Production Optimization Department in Y-12's Industrial Engineering Division. He succeeds Bernie D. McElroy, who has transferred to the Metal Preparation Division.

Myhre, a native of Sheboygan, Wis., received a bachelor's degree in management engineering and a master's degree in metallurgical engineering from Rensselaer Polytechnic Institute.

He also has done graduate work in mathematics at the University of Tennessee.

Myhre joined the Nuclear Division in 1965, working in the Y-12 Development Division until 1973, when he transferred to Product Engineering. Most recently, he has been in charge of Computer-Aided Design/Computer-Aided Manufacturing, Interagency and Staff Support in Industrial Engineering.

Myhre is a member of the National Society for Professional Engineers, the Tennessee Society for Professional Engineers and the American Society for Metals.

He and his wife, Elizabeth, live on Goldenview Lane in Oak Ridge. They have three children.

Safety Scoreboard

Time worked without a lost-time accident through October 27:

Y-12 Plant.....	198 Days	7,472,000 Employee-Hours
ORGDP	164 Days	3,522,117 Employee-Hours
ORNL	92 Days	2,050,323 Employee-Hours
Paducah.....	1,185 Days	9,307,662 Employee-Hours

SAFETY TIP: Never store gasoline in glass or plastic containers. If you must store it, keep it only in safety cans with a recognized testing laboratory's markings.

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